



## ILLINOIS

### SUMMARY

- Illinois continues to have high level transmission especially outside of the Chicago CBSA. Illinois is in the red zone for cases, indicating 101 or more new cases per 100,000 population last week, with the 21st highest rate in the country. Illinois is in the green zone for test positivity, indicating a rate at or below 4.9%, with the 28th highest rate in the country. Illinois has seen stability in new cases and stability in test positivity over the last week.
- Moderate to high viral transmission is widely distributed in Illinois. The following three counties had the highest number of new cases over the last 3 weeks: 1. Cook County, 2. DuPage County, and 3. Winnebago County. These counties represent 43.4% of new cases in Illinois. Although the largest number of cases are reported by counties in the Chicago CBSA, most counties outside this CBSA have incidence of more than 100 per 100,000 population last week. Almost all of the counties identified by the state as having elevated risk (orange) are outside of the Chicago CBSA. 56% of all counties in Illinois have moderate or high levels of community transmission (yellow, orange, or red zones), with 15% having high levels of community transmission (red zone). Counties in Illinois health region 4 remain under increased restrictions and those in region 1 (north/northeast Illinois) will have restrictions increased due to increasing test positivity.
- An outbreak linked to a sports bar volleyball league in Lake County has already infected 14 individuals with approximately 200 more potentially exposed.
- Institutions of higher education (IHE): Illinois State University (McLean County) and University of Illinois at Urbana-Champaign (Champaign) continue to report very low rates of cases with the extensive testing at UIUC confirming low rates of transmission on campus despite high disease activity in surrounding counties.
- During the week of Sep 21 - Sep 27, 11% of nursing homes had at least one new resident COVID-19 case, 20% had at least one new staff COVID-19 case, and 2% had at least one new resident COVID-19 death.
- Illinois had 109 new cases per 100,000 population in the last week, compared to a national average of 90 per 100,000.
- Current staff deployed from the federal government as assets to support the state response are: 63 to support operations activities from FEMA; 5 to support operations activities from ASPR; and 7 to support operations activities from USCG.
- Between Sep 26 - Oct 2, on average, 117 patients with confirmed COVID-19 and 434 patients with suspected COVID-19 were reported as newly admitted each day to hospitals in Illinois. An average of 92% of hospitals reported either new confirmed or new suspected COVID patients each day during this period; therefore, this may be an underestimate of the actual total number of COVID-related hospitalizations. Underreporting may lead to a lower allocation of critical supplies.

### RECOMMENDATIONS

- Illinois has made progress through its plan for having tiered mitigation for the 11 regions in the state, with the potential for increasing mitigation measures based on local resurgences. Regions are currently in Tier 4 level with some having additional measures. Given the very high degree of disease activity in several neighboring states, recommend temporarily increasing measures in regions where at least 50% of counties have more than 100 cases per 100,000 population or test positivity above 8%. Recommend maintaining restrictions on indoor gathering sizes to help limit the superspreader events that disproportionately contribute to increased or maintained epidemic spread as illustrated by the Lake County outbreak. This may be especially important as outdoor temperatures cool.
- Community transmission is frequently occurring in smaller gatherings of family and friends where masking and social distancing recommendations are not followed. With weather conditions increasingly forcing activities indoors, recommend increased messaging regarding the need to take these measures, especially given the element of mitigation "fatigue."
- Implement a plan to increase surveillance using the Abbott BinaxNOW and other rapid tests as supplies arrive to protect the elderly and other vulnerable populations and to increase situational awareness of community spread. Establish weekly surveillance to monitor degree of community spread among K-12 teachers; staff working at nursing homes, assisted living, and other congregate living settings; prison staff; and first responders as tests become available. Elevated rates of infection among these front-line workers indicate significant transmission in their communities and those transmission settings must be identified and mitigated.
- Antiviral therapies for hospitalized COVID patients should be given early in their course while viral replication is high.
- Specific, detailed guidance on community mitigation measures can be found on the [CDC website](#).

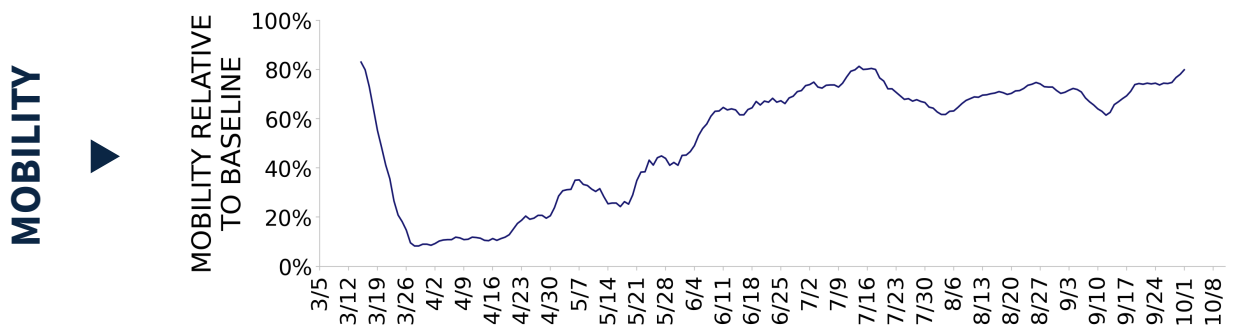




## ILLINOIS

STATE REPORT | 10.04.2020

	STATE, LAST WEEK	STATE, % CHANGE FROM PREVIOUS WEEK	FEMA/HHS REGION, LAST WEEK	UNITED STATES, LAST WEEK
<b>NEW COVID-19 CASES</b> (RATE PER 100,000)	<b>13,760</b> (109)	<b>+2%</b>	<b>60,376</b> (115)	<b>294,477</b> (90)
<b>VIRAL (RT-PCR) LAB TEST POSITIVITY RATE</b>	<b>4.5%</b>	<b>+0.0%*</b>	<b>5.3%</b>	<b>4.6%</b>
<b>TOTAL VIRAL (RT-PCR) LAB TESTS (TESTS PER 100,000)</b>	<b>334,853**</b> (2,643)	<b>+0%**</b>	<b>1,364,489**</b> (2,597)	<b>6,436,385**</b> (1,961)
<b>COVID-19 DEATHS</b> (RATE PER 100,000)	<b>180</b> (1.4)	<b>+18%</b>	<b>671</b> (1.3)	<b>4,935</b> (1.5)
<b>SNFs WITH ≥1 NEW RESIDENT COVID-19 CASE</b> (≥1 NEW STAFF CASE)	<b>11%</b> (20%)	<b>+1%*</b> (+0%*)	<b>8%</b> (19%)	<b>9%</b> (20%)
<b>SNFs WITH ≥1 NEW RESIDENT COVID-19 DEATH</b>	<b>2%</b>	<b>+0%*</b>	<b>3%</b>	<b>3%</b>



\* Indicates absolute change in percentage points.

\*\* Due to delayed reporting, this figure may underestimate total diagnostic tests and week-on-week changes in diagnostic tests.

**DATA SOURCES** – Additional data details available under METHODS**Note:** Some dates may have incomplete data due to delays in reporting. Data may be backfilled over time, resulting in week-to-week changes.**Cases and Deaths:** State values are calculated by aggregating county-level data from USAFacts; therefore, the values may not match those reported directly by the state. Data is through 10/2/2020; last week is 9/26 - 10/2, previous week is 9/19 - 9/25.**Testing:** CELR (COVID-19 Electronic Lab Reporting) state health department-reported data through 9/30/2020. Last week is 9/24 - 9/30, previous week is 9/17 - 9/23.**Mobility:** Descartes Labs. This data depicts the median distance moved across a collection of mobile devices to estimate the level of human mobility within a county. The 100% represents the baseline mobility level prior to the pandemic; lower percent mobility indicates less population movement. Data is anonymized and provided at the county level. Data through 10/1/2020.**SNFs:** Skilled nursing facilities. National Healthcare Safety Network. Data are reported separately for cases among residents and staff. Last week is 9/21-9/27, previous week is 9/14-9/20.



## ILLINOIS

STATE REPORT | 10.04.2020

## COVID-19 COUNTY AND METRO ALERTS\*

Top 12 shown in table (full lists below)

	METRO AREA (CBSA) LAST WEEK	COUNTY LAST WEEK
LOCALITIES IN RED ZONE	3 Rockford Taylorville Cape Girardeau	15 Winnebago Clinton Christian Crawford Fayette Saline Richland Shelby Bond Washington Hancock Clay
LOCALITIES IN ORANGE ZONE	3 Danville Sterling Dixon	5 Vermilion Whiteside Lee Mason Wabash
LOCALITIES IN YELLOW ZONE	19 St. Louis Davenport-Moline-Rock Island Ottawa Carbondale-Marion Decatur Charleston-Mattoon Quincy Kankakee Galesburg Rochelle Centralia Effingham	37 Will Madison St. Clair Peoria Rock Island Macon Adams Kankakee Coles Williamson Kendall Knox

**All Yellow CBSAs:** St. Louis, Davenport-Moline-Rock Island, Ottawa, Carbondale-Marion, Decatur, Charleston-Mattoon, Quincy, Kankakee, Galesburg, Rochelle, Centralia, Effingham, Mount Vernon, Freeport, Jacksonville, Macomb, Fort Madison-Keokuk, Paducah, Burlington

**All Red Counties:** Winnebago, Clinton, Christian, Crawford, Fayette, Saline, Richland, Shelby, Bond, Washington, Hancock, Clay, Brown, Johnson, Pulaski

**All Yellow Counties:** Will, Madison, St. Clair, Peoria, Rock Island, Macon, Adams, Kankakee, Coles, Williamson, Kendall, Knox, Boone, Bureau, Ogle, Marion, Effingham, Macoupin, Franklin, Jefferson, Stephenson, Monroe, Montgomery, McDonough, Morgan, Jo Daviess, Douglas, Union, De Witt, Cass, Lawrence, Greene, Pike, Marshall, Perry, Massac, White

\* Localities with fewer than 10 cases last week have been excluded from these alerts.

**Note:** Lists of red, orange, and yellow localities are sorted by the number of new cases in the last 3 weeks, from highest to lowest. Some dates may have incomplete data due to delays in reporting. Data may be backfilled over time, resulting in week-to-week changes.

**DATA SOURCES** – Additional data details available under METHODS

**Cases and Deaths:** State values are calculated by aggregating county-level data from USAFacts; therefore, the values may not match those reported directly by the state. Data is through 10/2/2020; last week is 9/26 - 10/2, three weeks is 9/12 - 10/2.

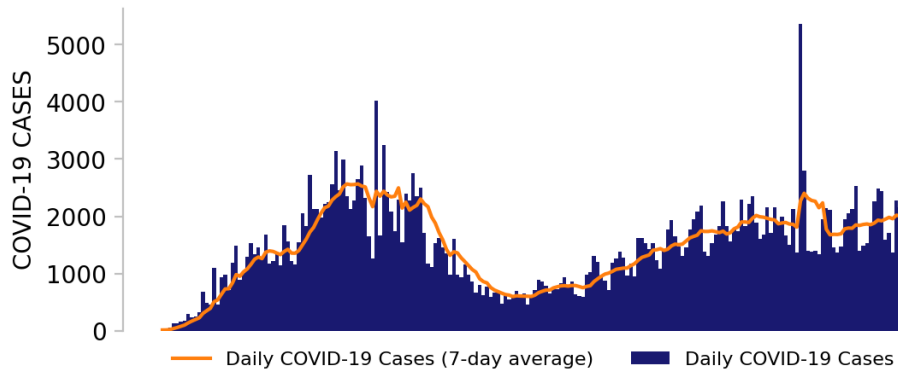
**Testing:** CELR (COVID-19 Electronic Lab Reporting) state health department-reported data through 9/30/2020. Last week is 9/24 - 9/30.



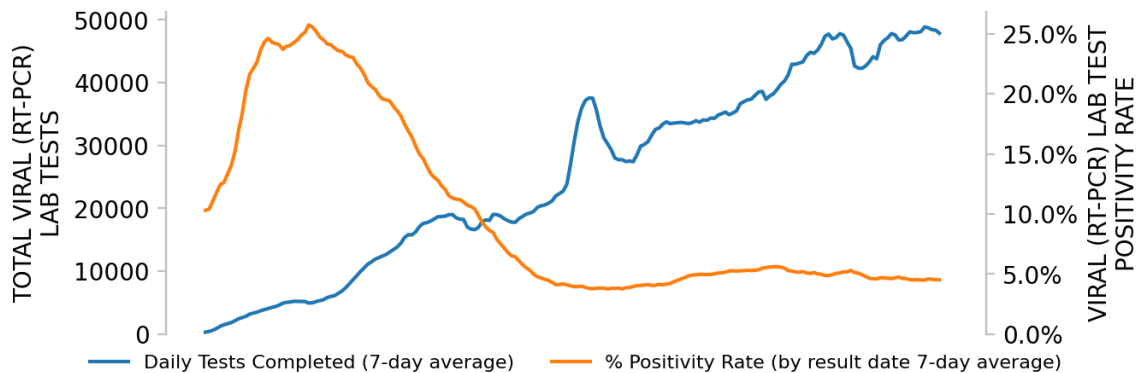
# ILLINOIS

STATE REPORT | 10.04.2020

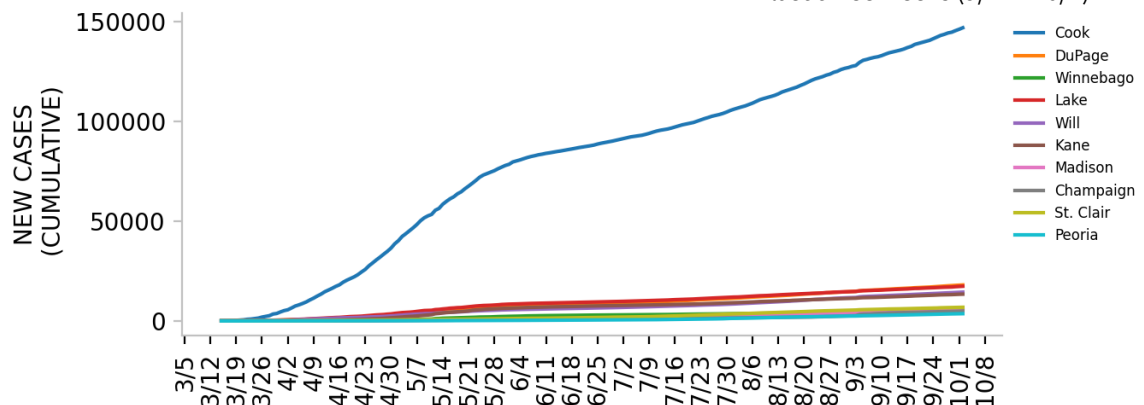
## NEW CASES



## TESTING



Top counties based on greatest number of new cases in last three weeks (9/12 - 10/2)



**DATA SOURCES** – Additional data details available under METHODS

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**Cases:** State values are calculated by aggregating county-level data from USAFacts; therefore, the values may not match those reported directly by the state. Data is through 10/2/2020.

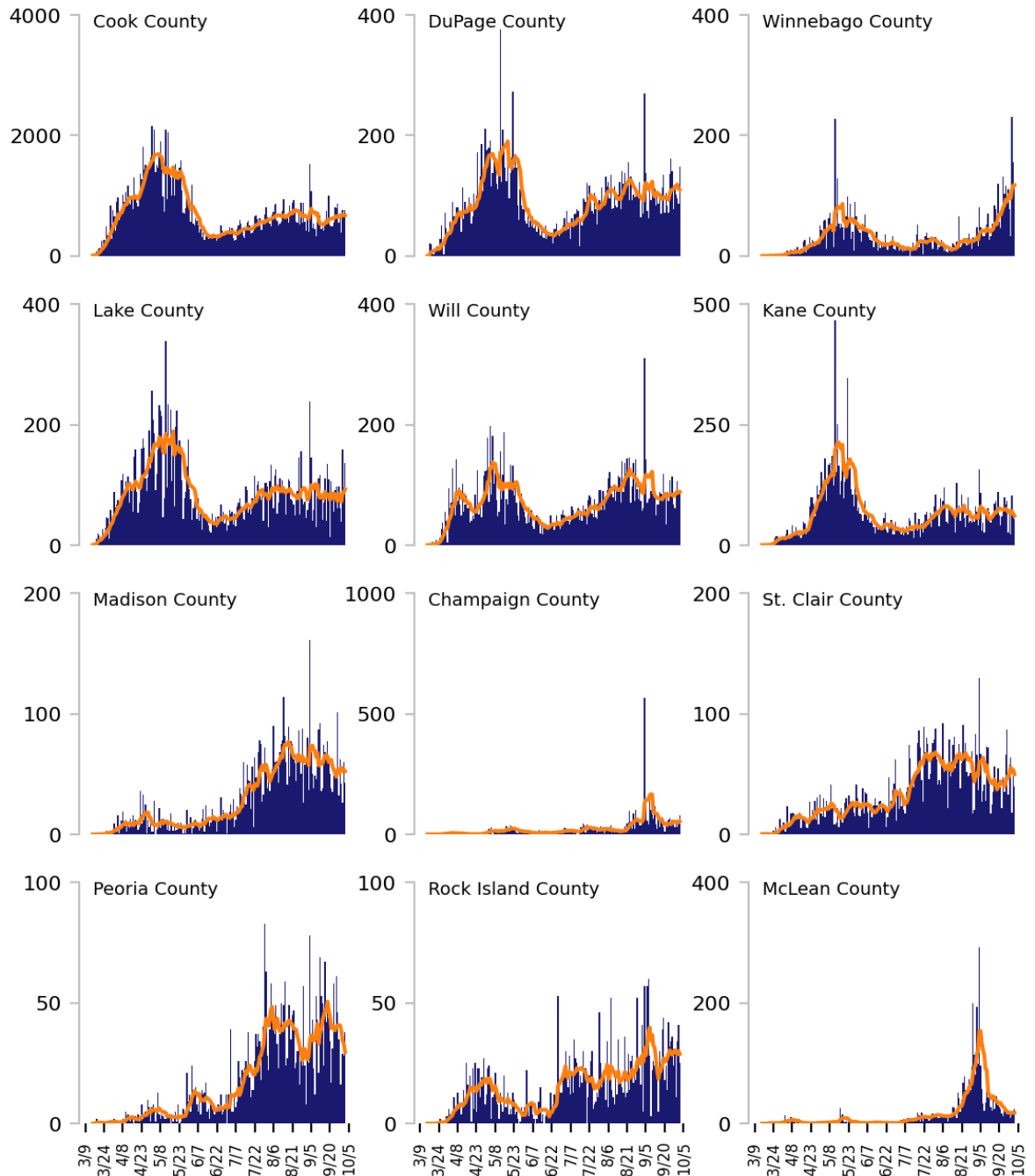
**Testing:** CELR (COVID-19 Electronic Lab Reporting) state health department-reported data through 9/30/2020.



# Top 12 counties based on number of new cases in the last 3 weeks

— Daily COVID-19 Cases (7-day average)    ■ Daily COVID-19 Cases

TOTAL DAILY CASES



**DATA SOURCES** – Additional data details available under METHODS

**Cases:** State values are calculated by aggregating county-level data from USAFacts; therefore, the values may not match those reported directly by the state. Data is through 10/2/2020. Last 3 weeks is 9/12 - 10/2.

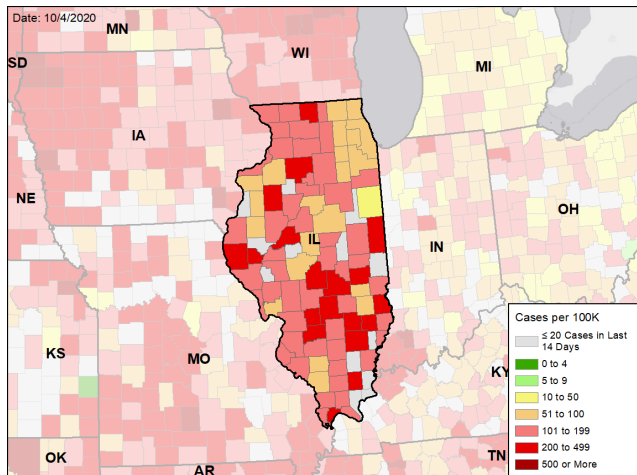


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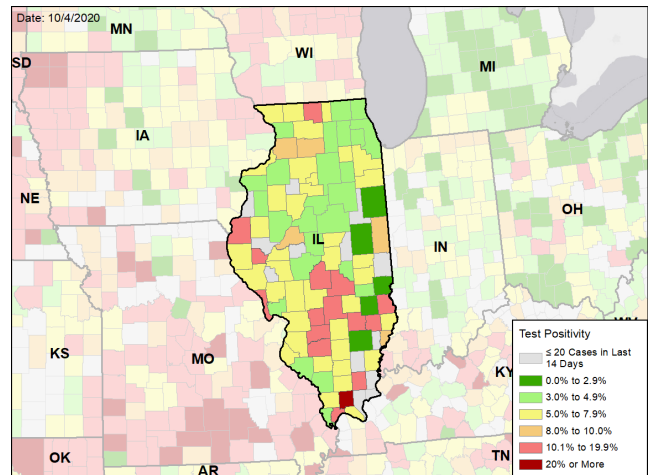
STATE REPORT | 10.04.2020

## CASE RATES AND VIRAL LAB TEST POSITIVITY DURING THE LAST WEEK

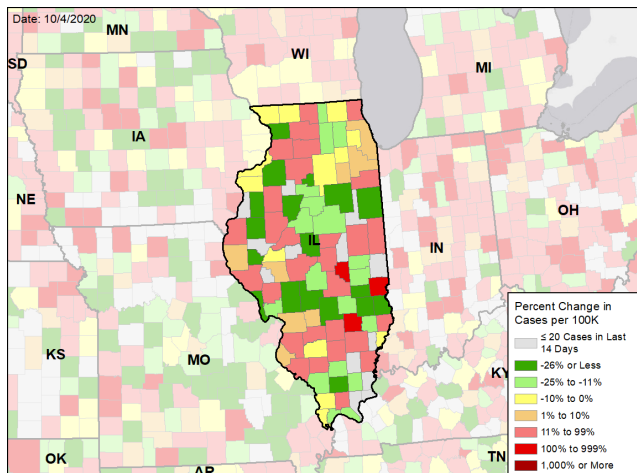
### NEW CASES PER 100,000 DURING THE LAST WEEK



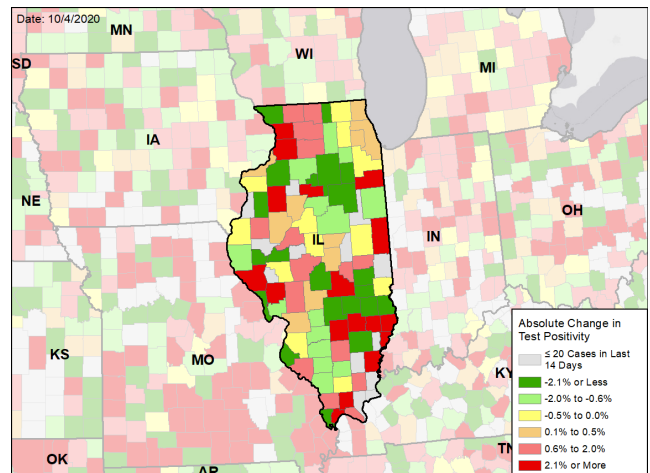
### VIRAL (RT-PCR) LABORATORY TEST POSITIVITY DURING THE LAST WEEK



### WEEKLY CHANGE IN NEW CASES PER 100,000



### WEEKLY CHANGE IN VIRAL (RT-PCR) LABORATORY TEST POSITIVITY



#### DATA SOURCES – Additional data details available under METHODS

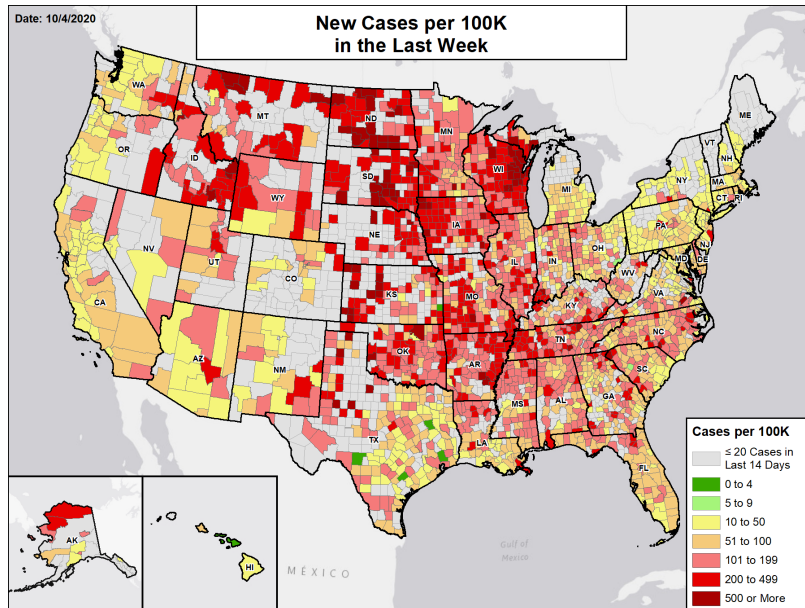
**Note:** Some dates may have incomplete data due to delays in reporting. Data may be backfilled over time, resulting in week-to-week changes.  
**Cases:** State values are calculated by aggregating county-level data from USAFacts; therefore, the values may not match those reported directly by the state. Data is through 10/2/2020. Last week is 9/26 - 10/2, previous week is 9/19 - 9/25.

**Testing:** CELR (COVID-19 Electronic Lab Reporting) state health department-reported data through 9/30/2020. Last week is 9/24 - 9/30, previous week is 9/17 - 9/23.



# National Picture

## NEW CASES PER 100,000 LAST WEEK

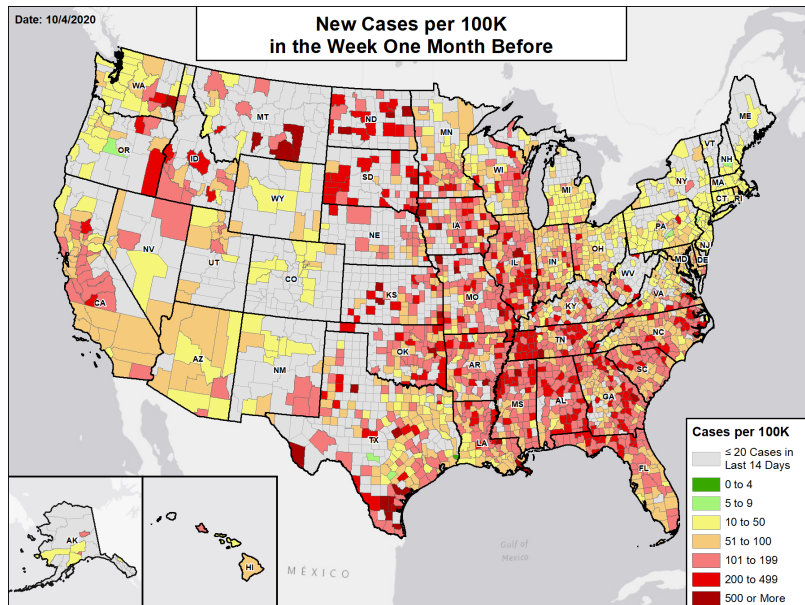


## NATIONAL RANKING OF NEW CASES PER 100,000 LAST WEEK

National Rank State

1	ND
2	SD
3	WI
4	MT
5	UT
6	IA
7	NE
8	ID
9	AR
10	OK
11	MO
12	KS
13	WY
14	TN
15	MN
16	KY
17	AL
18	MS
19	AK
20	NV
21	IL
22	IN
23	TX
24	SC
25	NC
26	DE
27	RI
28	GA
29	LA
30	WV
31	FL
32	NM
33	CO
34	OH
35	MI
36	MD
37	VA
38	MA
39	CA
40	PA
41	NJ
42	HI
43	CT
44	WA
45	AZ
46	OR
47	NY
48	DC
49	NH
50	ME
51	VT

## NEW CASES PER 100,000 IN THE WEEK ONE MONTH BEFORE



### DATA SOURCES

**Note:** Some dates may have incomplete data due to delays in reporting. Data may be backfilled over time, resulting in week-to-week changes.

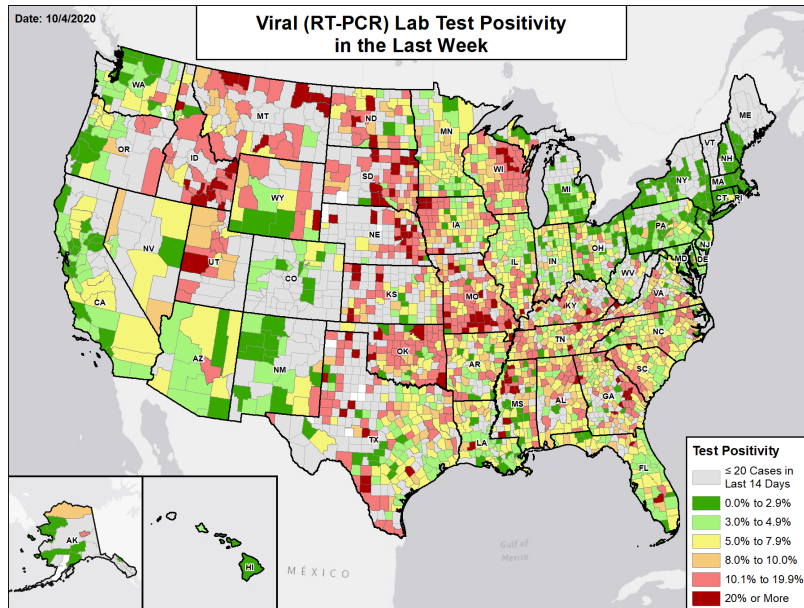
**Cases:** County-level data from USAFacts through 10/2/2020. Last week is 9/26 - 10/2; the week one month before is 8/29 - 9/4.





# National Picture

## VIRAL (RT-PCR) LAB TEST POSITIVITY LAST WEEK

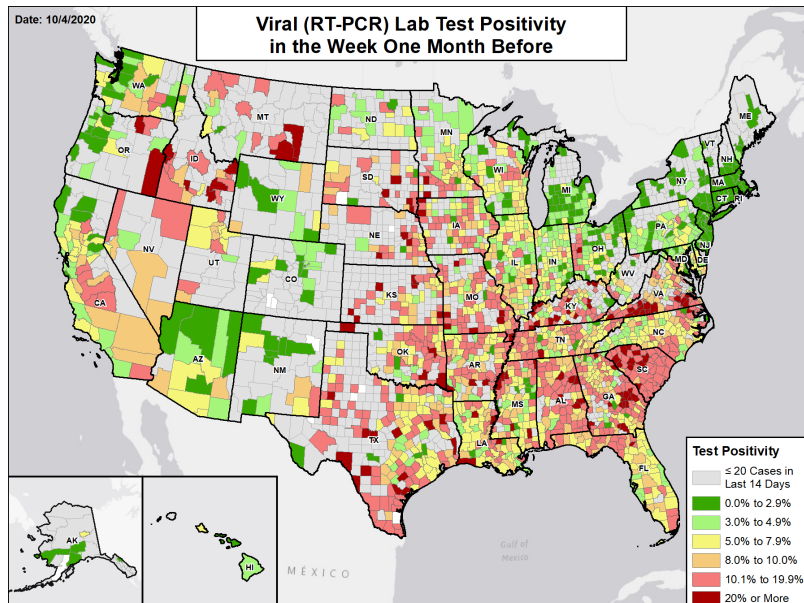


## NATIONAL RANKING OF TEST POSITIVITY LAST WEEK

National Rank State

1	MT
2	UT
3	ID
4	SD
5	OK
6	NE
7	WI
8	MO
9	NV
10	KY
11	AL
12	IA
13	KS
14	SC
15	ND
16	MS
17	TN
18	TX
19	AR
20	VA
21	GA
22	OR
23	IN
24	NC
25	MN
26	WY
27	FL
28	IL
29	LA
30	DE
31	WV
32	AZ
33	AK
34	PA
35	HI
36	MI
37	MD
38	CO
39	CA
40	WA
41	NM
42	OH
43	NJ
44	CT
45	NH
46	RI
47	NY
48	MA
49	DC
50	ME
51	VT

## VIRAL (RT-PCR) LAB TEST POSITIVITY IN THE WEEK ONE MONTH BEFORE



### DATA SOURCES

**Note:** Some dates may have incomplete data due to delays in reporting. Data may be backfilled over time, resulting in week-to-week changes.

**Testing:** Combination of CELR (COVID-19 Electronic Lab Reporting) state health department-reported data and HHS Protect laboratory data (provided directly to Federal Government from public health labs, hospital labs, and commercial labs) through 9/30/2020. Last week is 9/24 - 9/30; the week one month before is 8/27 - 9/2.





# METHODS

STATE REPORT | 10.04.2020

**COLOR THRESHOLDS:** Results for each indicator should be taken in context of the findings for related indicators (e.g., changes in case incidence and testing volume). Values are rounded before color classification.

Metric	Dark Green	Light Green	Yellow	Orange	Red
New cases per 100,000 population per week	≤4	5 – 9	10 – 50	51 – 100	≥101
Percent change in new cases per 100,000 population	≤-26%	-25% – -11%	-10% – 0%	1% – 10%	≥11%
Diagnostic test result positivity rate	≤2.9%	3.0% – 4.9%	5.0% – 7.9%	8.0% – 10.0%	≥10.1%
Change in test positivity	≤-2.1%	-2.0% – -0.6%	-0.5% – 0.0%	0.1% – 0.5%	≥0.6%
Total diagnostic tests resulted per 100,000 population per week	≥2001	1001 – 2000	750 – 1000	500 – 749	≤499
Percent change in tests per 100,000 population	≥26%	11% – 25%	1% – 10%	-10% – 0%	≤-11%
COVID-19 deaths per 100,000 population per week	≤0.1	0.2 – 0.4	0.5 – 1.0	1.1 – 2.0	≥2.1
Percent change in deaths per 100,000 population	≤-26%	-25% – -11%	-10% – 0%	1% – 10%	≥11%
Skilled Nursing Facilities with at least one resident COVID-19 case, death	0%		1% – 5%		≥6%
Change in SNFs with at least one resident COVID-19 case, death	≤-2%		-1% – 1%		≥2%

## DATA NOTES

- Some dates may have incomplete data due to delays in reporting. Data may be backfilled over time, resulting in week-to-week changes. It is critical that states provide as up-to-date data as possible.
- Cases and deaths:** County-level data from USAFacts as of 16:56 EDT on 10/04/2020. State values are calculated by aggregating county-level data from USAFacts; therefore, values may not match those reported directly by the state. Data are reviewed on a daily basis against internal and verified external sources and, if needed, adjusted. Last week data are from 9/26 to 10/2; previous week data are from 9/19 to 9/25; the week one month before data are from 8/29 to 9/4.
- Testing:** The data presented represent viral COVID-19 laboratory diagnostic and screening test (reverse transcription polymerase chain reaction, RT-PCR) results—not individual people—and exclude antibody and antigen tests, unless stated otherwise. CELR (COVID-19 Electronic Lab Reporting) state health department-reported data are used to describe county-level viral COVID-19 laboratory test (RT-PCR) result totals when information is available on patients' county of residence or healthcare providers' practice location. HHS Protect laboratory data (provided directly to Federal Government from public health labs, hospital labs, and commercial labs) are used otherwise. Some states did not report on certain days, which may affect the total number of tests resulted and positivity rate values. Because the data are deidentified, total viral (RT-PCR) laboratory tests are the number of tests performed, not the number of individuals tested. Viral (RT-PCR) laboratory test positivity rate is the number of positive tests divided by the number of tests performed and resulted. Resulted tests are assigned to a timeframe based on this hierarchy of test-related dates: 1. test date; 2. result date; 3. specimen received date; 4. specimen collection date. Resulted tests are assigned to a county based on a hierarchy of test-related locations: 1. patient residency; 2. provider facility location; 3. ordering facility location; 4. performing organization location. States may calculate test positivity other using other methods. Last week data are from 9/24 to 9/30; previous week data are from 9/17 to 9/23; the week one month before data are from 8/27 to 9/2. HHS Protect data is recent as of 11:17 EDT on 10/04/2020. Testing data are inclusive of everything received and processed by the CELR system as of 19:00 EDT on 10/03/2020.
- Mobility:** Descartes Labs. These data depict the median distance moved across a collection of mobile devices to estimate the level of human mobility within a locality. The 100% represents the baseline mobility level prior to the pandemic; lower percent mobility indicates less population movement. Data is anonymized and provided at the locality level. Data is recent as of 16:47 EDT on 10/04/2020 and is through 10/1/2020.
- Hospitalizations:** Unified hospitalization dataset in HHS Protect. This figure may differ from state data due to differences in hospital lists and reporting between federal and state systems. These data exclude psychiatric, rehabilitation, and religious non-medical hospitals. In addition, hospitals explicitly identified by states/regions as those from which we should not expect reports were excluded from the percent reporting figure. The data presented represents raw data provided; we are working diligently with state liaisons to improve reporting consistency. Data is recent as of 18:09 EDT on 10/04/2020.
- Skilled Nursing Facilities:** National Healthcare Safety Network (NHSN). Data report resident and staff cases independently. Quality checks are performed on data submitted to the NHSN. Data that fail these quality checks or appear inconsistent with surveillance protocols may be excluded from analyses. Data presented in this report are more recent than data publicly posted by CMS. Last week is 9/21-9/27, previous week is 9/14-9/20.
- County and Metro Area Color Categorizations**
  - Red Zone:** Those core-based statistical areas (CBSAs) and counties that during the last week reported both new cases at or above 101 per 100,000 population, and a lab test positivity result at or above 10.1%.
  - Orange Zone:** Those CBSAs and counties that during the last week reported both new cases between 51–100 per 100,000 population, and a lab test positivity result between 8.0–10.0%, or one of those two conditions and one condition qualifying as being in the “Red Zone.”
  - Yellow Zone:** Those CBSAs and counties that during the last week reported both new cases between 10–50 per 100,000 population, and a lab test positivity result between 5.0–7.9%, or one of those two conditions and one condition qualifying as being in the “Orange Zone” or “Red Zone.”